32227 S/139/61/000/004/022/023 Application of the Doppler effect. E032/E314

the case where the discharge and the emission by the and b) plasma occur in a narrow cylindrical region which contracts or expands under the action of electromagnetic forces. It is shown that by recording the emission at various angles to the axis of the chamber one can investigate, with the aid of the Doppler offect, the directed motion of plasma layers. On the other hand, by measuring the line profiles due to this directed motion one can determine the ion velocity distribution. The simultaneous measurement of the spectral-line profiles of neutral atoms and ions provides interesting information about the effect of the moving ions on the neutral atoms. The optical method appears to be the only possible method for studying the motion of the two types of particles separately. Determination of the temperature from the Doppler profile may lead to incorrect results if the directed motion is not taken into account. The success of these applications of the Doppler effect to the study of directed motion in plasma will depend on the

Card 2/3

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Application of the Doppler effect ... E052/E314 S/139/61/000/004/022/023

suitable choice of spectral lines for which other types of broadening can either be included or allowed for. There are 4 figures and 2 Soviet-bloc references.

ASSOCIATION:

IAA imeni Dzerzhinskogo (IAA imeni Dzerzhinskiy)

Moskovskiy energeticheskiy institut (Moscow Power-engineering Institute)

SUBMITTED ?

January 4, 1960 (initially) February 6, 1961 (after revision)

Card 3/3

ACCESSION NR: APLO36569

s/0139/64/000/002/0136/0141

AUTHORS: Zagoryanskaya, Ye. V.; Kireyev, P. S.

TITLE: The role of interference for electron transmission through a double potential barrier

SOURCE: IVUZ. Fizika, no. 2, 1964, 136-141

TOPIC TAGS: interference, electron transmission, double potential barrier, Fabry Perut etalon, transmission coefficient, reflection coefficient

ABSTRACT: The transmission coefficient for a double potential barrier is computed and compared with that obtained for the analogous problem in optics, the Fabry-Perot etalon consists of two semitransparent mirrors, each having coefficients of reflection r and transmission T, which are separated by a distance t. For zero incidence angle of light (wavelength A) on the system the transmission coefficient is

 $T = \frac{I_T}{I_0} = \frac{c^2}{1 + r^2 - 2r\cos{[2kt + 2k]}}$ 

Card 1/5

ACCESSION NR: AP4036569

where  $k = 2\pi/\lambda$  and  $\delta$  is the phase shift of the light reflected from one of the mirrors. It is noted that the maximum value of the transmission coefficient is

$$T_{\text{max}} = \frac{\tau^2}{(1-r)^2} = \frac{(1-r)^2}{(1-r)^2} = 1.$$

The double potential barrier is shown in Fig. 1 on the Enclosure, where the particle energy  $E < U_o$ . The transmission coefficient for the system is

$$T = \frac{\tau^{2}}{1 + r^{2} - 2r^{2}\cos 2kt + r(1 - r)(e^{2\pi a} + e^{-2\pi a})\cos 2kt} + \frac{\tau^{2}}{8\xi(1 - \xi^{2})r(1 - r)(e^{2\pi a} - e^{-2\pi a})\cdot\sin 2kt}$$

which is expressed in terms of the reflection and transmission coefficients of the single potential barrier,

 $1 + \frac{16\xi^{2}}{(1+\xi^{2})^{2}(\sigma^{-1}-\sigma^{-10})^{2}}.$ 

Card 2/5

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ACCESSION	MD.	API:036569

which is only superficially similar to the expression for the optical case. The essential difference is made even more apparent by noting

$$T_{\text{max}} = \frac{(1-r)^2}{(1-r^2)} = \frac{1-r}{1+r} = \frac{\epsilon}{1+r} \simeq \frac{\epsilon}{2}$$
.

Orig. art. has: 32 equations and 2 diagrams.

ASSOCIATION: Voyenno-inzhenernaya artilleriyskaya akademiya (Military Engineering Artillery Academy); Moskovakiy institut stali i splavov (Moscow Institute of Steel and Alloys)

SUBMITTED: 10Jul62

DATE ACQ: OSJun64

ENCL: 01

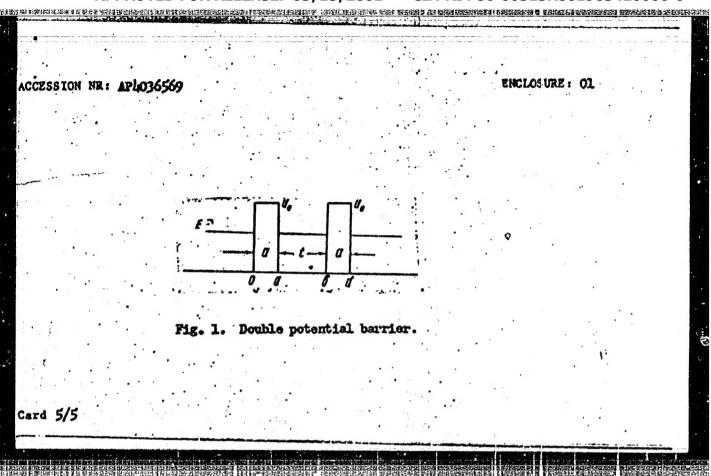
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Card 4/5

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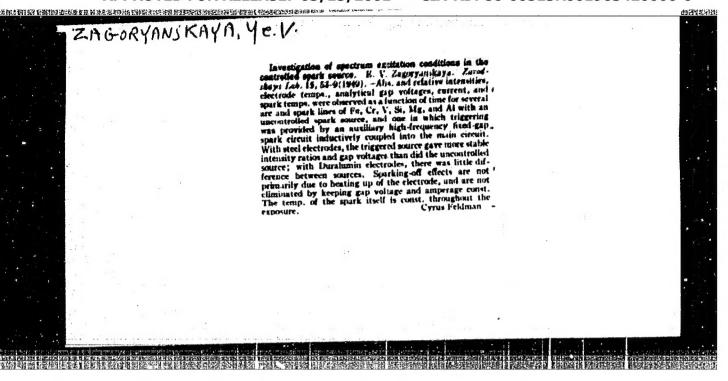


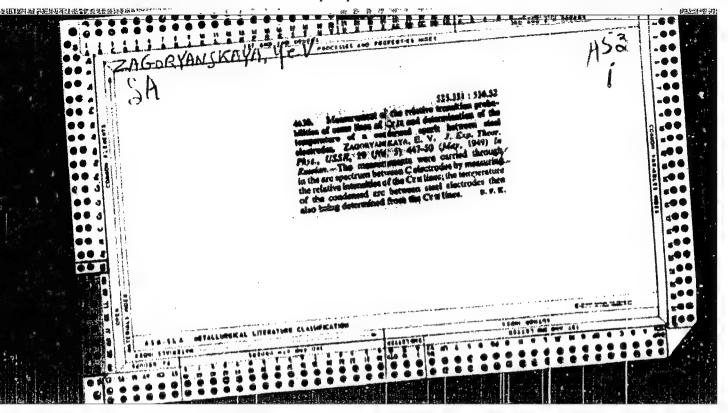
ZAGORYANSKAYA, Ye. V.; KIREYEV, P.S.

Potential of a linear alternating charge. Izv. vys. wheb. zav.; fiz. no. 3:12-16 '64. (MIFA 17:9)

l. Moskovskiy institut stali i splavov Voyenno-inzhenernaya artilleriyskaya akademiyä.

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KIREYEV, Petr Semenovich; ZACORYANSKAYA, Yelizaveta Vasil'yevra;
STEIGANOV, A.R., red.; FERKOVSKAYA, T.Ye., red. izd-va;
PAVIOVA, V.A., tekhm. red.

[Molecular spectrum analysis] Molekuliarnyi spektral'nyi analiz.
Moskva, Gos. izd-vo "Vysshaia shkola," 1961. 142 p. (MIRA 15:1)

(Spectrum, Molecular)

# Determining the optical constants of thin films from the interference figure. Izv.vys.ucheb.zav.; fiz. no.4:124-133 '61. (MIRA 14:10) 1. Moskovskiy energeticheskiy institut.

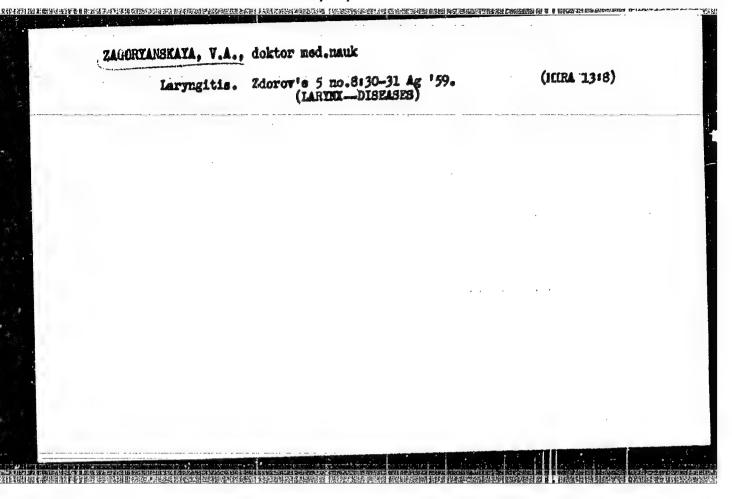
(Interferometry)

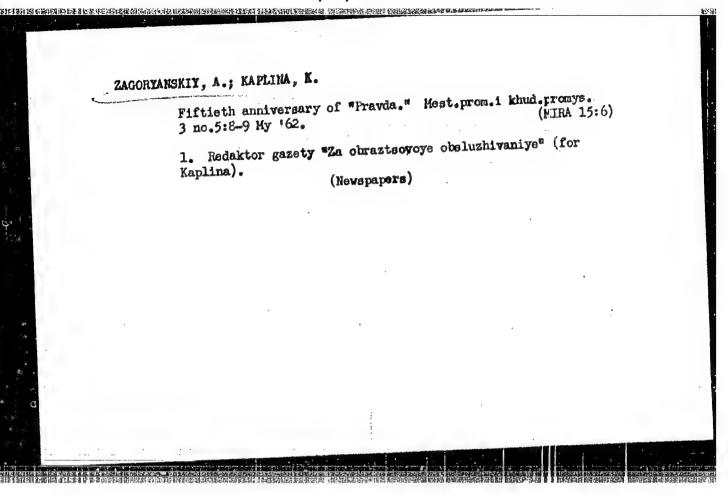
Use of the Doppler effect in studying processes occurring in a gas discharge plasma. Izv.vys.ucheb.zav.; fiz. no.4:163-167 (MIRA 14:10)						
l. Moskovskiy energeticheskiy inst (Plasma (Ionized gases))	titut. (Doppler effec	:)				
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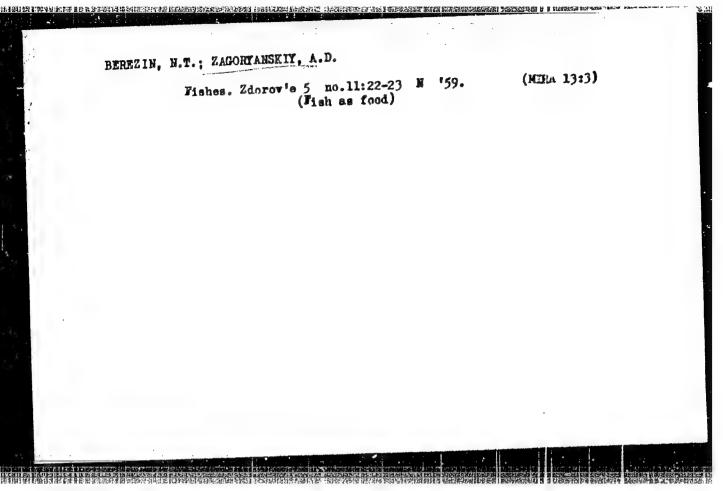
#### ZAGORYANSKAYA-FEL'IMAN, V.A.

Treatment of laryngeal cancer by ligature of the afferent vessels with subsequent K-ray therapy. Vest. otorinolar. 13 no.2:46-50 Mar-Apr 51. (CML 20:8)

1. Doctor Medical Sciences. 2. Of the Clinic for Diseases of the Ear, Throat, and Hose (Director-Honored Worker in Science A.I. Hel'dman). Moscow Oblast Scientific-Research Clinical Institute-Central Institute for the Advanced Training of Physicians (Director-V.P. Lekedeva).







Electronic chess player. IVn.tekh. 3 no.4:71-73 Ap 159.

(Chess)

(Blectronic calculating machines)

BUSHE, N.A., kand. tekhn. nauk NARSKIKH, I.I., kand. tekhn. nauk; BARAYEV, N.K., aspirant; ZAGORYANSKIY, Yu.A., inzh.

Testing of aluminum alloy bearings for diesel locomotive engines. Vest. TSNII MPS 22 no.7:39-44 163. (MIRA 16:12)

1. Tashkentskiy institut inzhenerov zheleznodorozhnogo transporta (for Babayev).

VOLODIN, A.I., kand.tekhn.nauk; NARSKIKH, I.I., kand.tekhn.nauk;
ZACORYANSKII, Yu.A., inzh.

Methods for measuring the wear of the crankshafts of diesel locomotive engines. Trudy TSNII MPS no.262:73-84 '53.

(MIRA 16:10)

ZAGOR'YE, A.M.; ZAKH, R.G.

Burning of natural lignin with increased initial moisture. Gidrolfiz. i lesokhim. prom. 18 no.6:6-10 '65. (MIRA 18:9)

£ 9701-66 ACC NR: AP5026567

SOURCE CODE: UR/0286/65/000/019/0131/0131

2004年中午,2012年2月20日 2月15日 2 2014年 1日 2月15日 2

AUTHOR: Zagor'ye, B. A.

ORG: none

13

TITLE: A device for hoisting small craft to the deck of a ship-base and lowering them to the water. Class 65, No. 175407

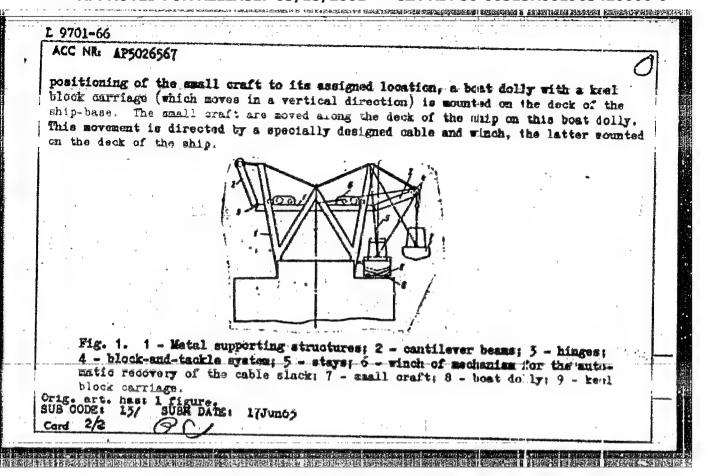
SOURCE: Byullaten' izobrateniy i tovarnyki znakov, no. 19, 1965, 131

TOPIC TAGS: boat, elevating gear, safety device, water traffic

ABSTRACT: This Author Certificate presents a device for hoisting small craft onto the deck of a ship-base and for lowering them into the water. The device includes metal supporting structures with cantilever beams hinged to joints, and a block-and-tackle system with a cable passing through the blocks of the tackle. The device is intended to increase the safety of lifting and lowering craft under rough sea conditions. The block-and-tackle system is made with stays of a fixed length, fastened to upper points of the inclined masts of the metal structures. These structures are displaced toward the diametric plane of the ship-base in reference to the diametric plane of the small craft. The stays take on part of the weight of the small craft during its setting on the deck of the ship-base and while lowering it from the deck. This is accomplished with the simultaneous cleansing or recovering of the cables (passing through the blocks of the tackle) by winches which automatically recover the slack. To mechanize the

Card 1/2

TDC: 629, 125,65

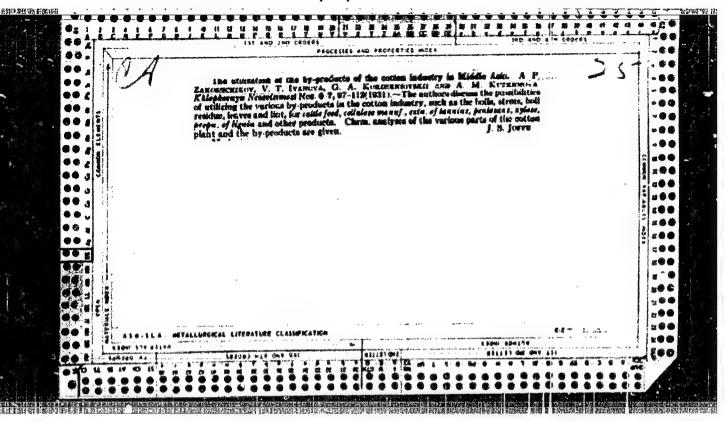


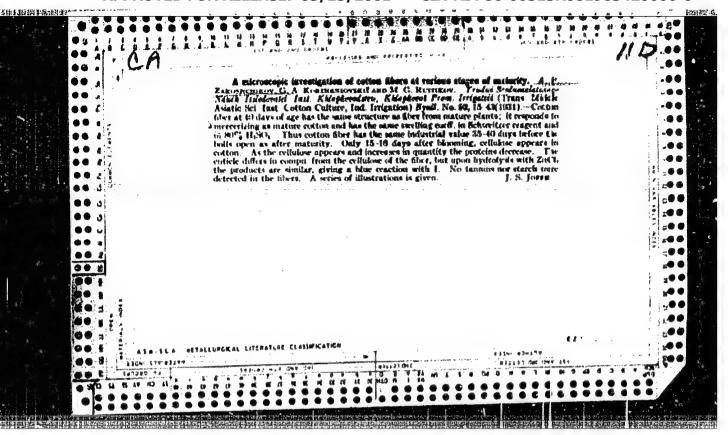
# ZAGOSKINA, M.A.

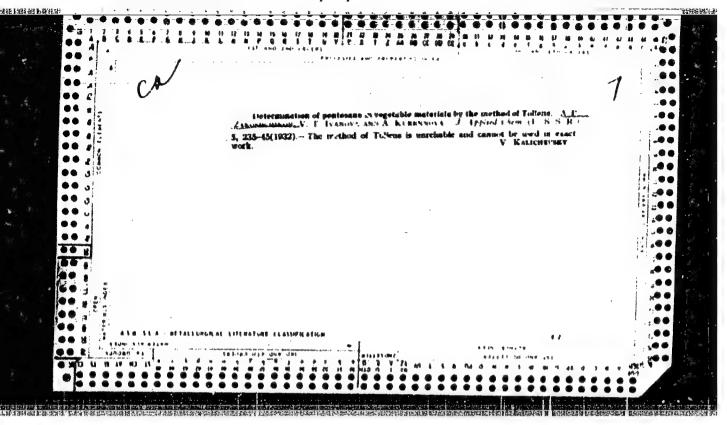
Complications with reference to the nervous system following inoculations for rabies. Shor. trud. Eursk. gos. med. inst. no.13: 226-230 158. (MIRL 14:3)

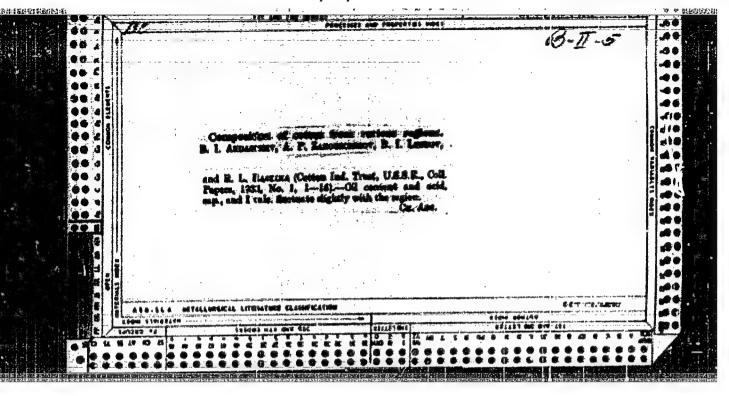
1. Iz kliniki nervnykh bolesney (zav. - prof. N.I.Golik) Kurskogo gosudarstvennogo meditsinskogo instituta i antirabicheskogo otdeleniya (zav. - I.I.Postolenko) Kurskoy oblsanepidstantsii.

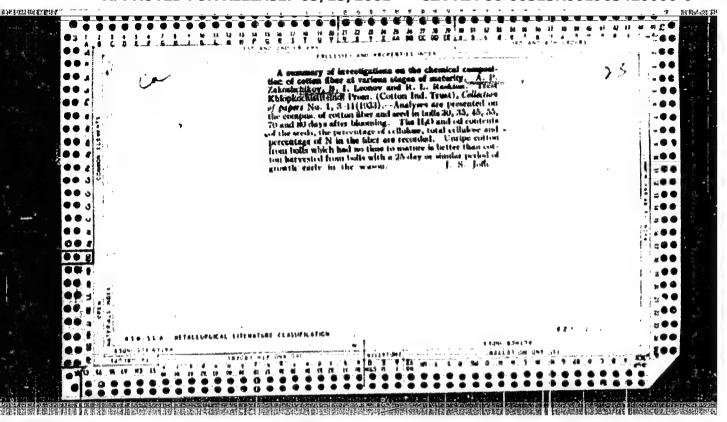
(NERVOUS SYSTEM—DISEASES) (RABIES)

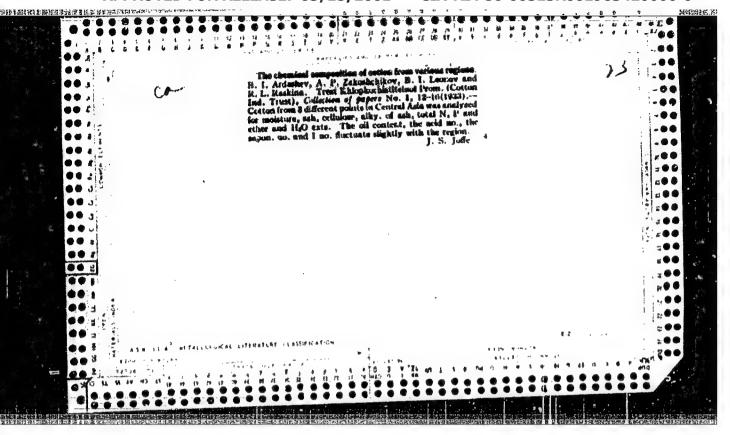


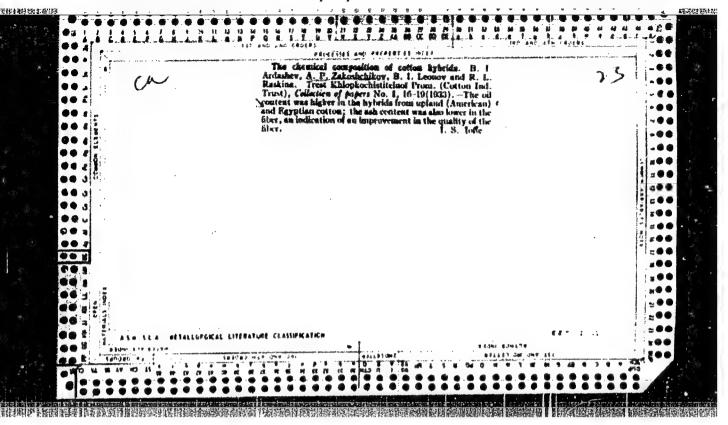


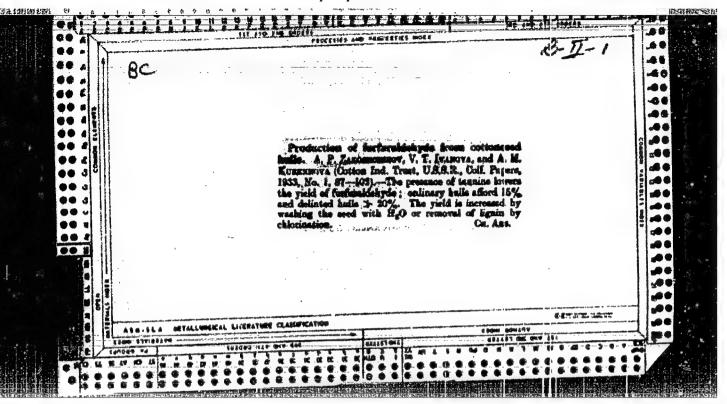


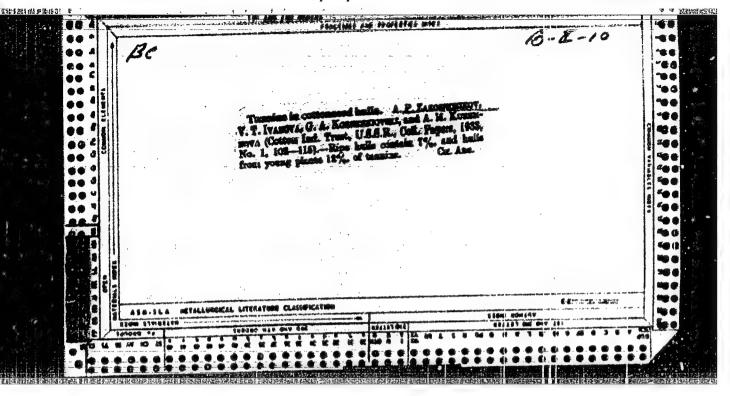


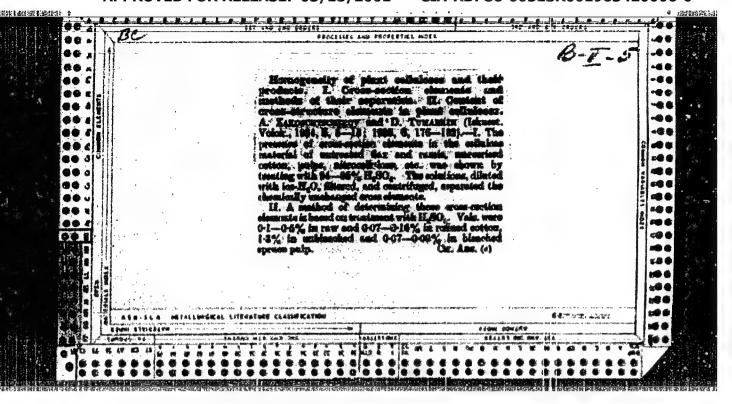


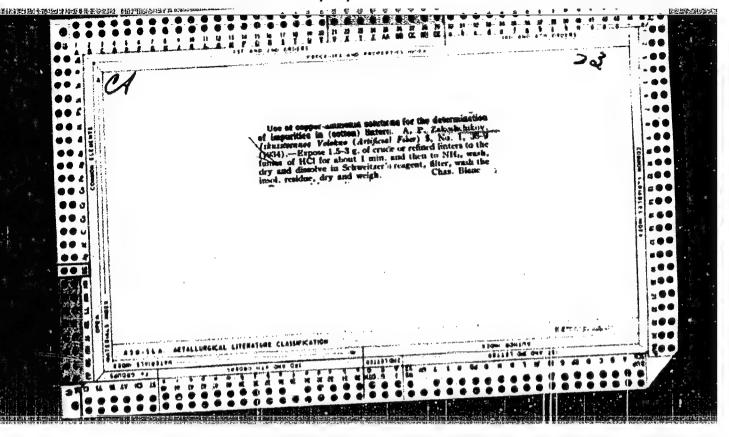


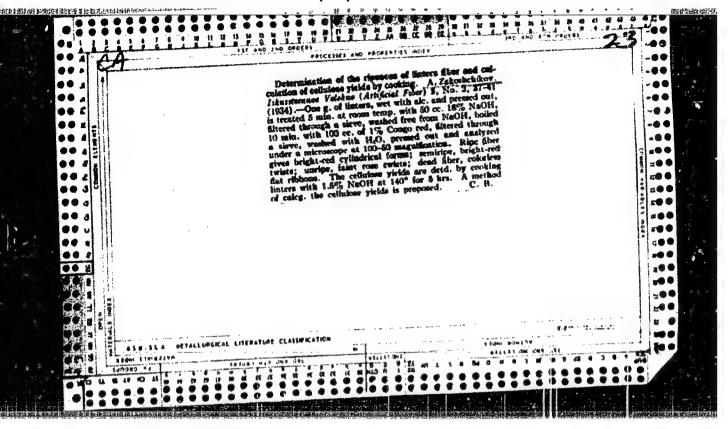


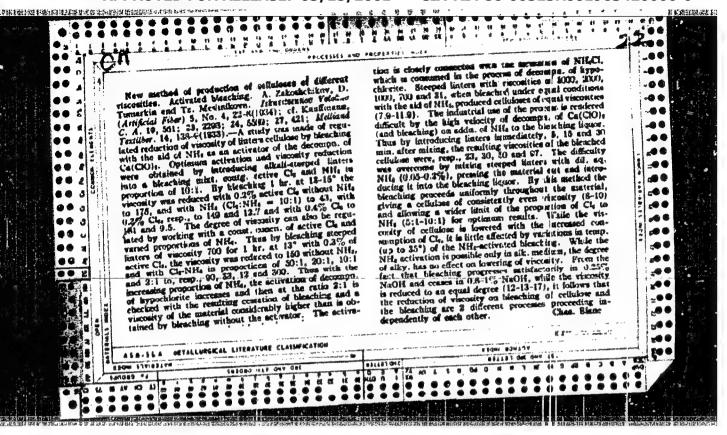


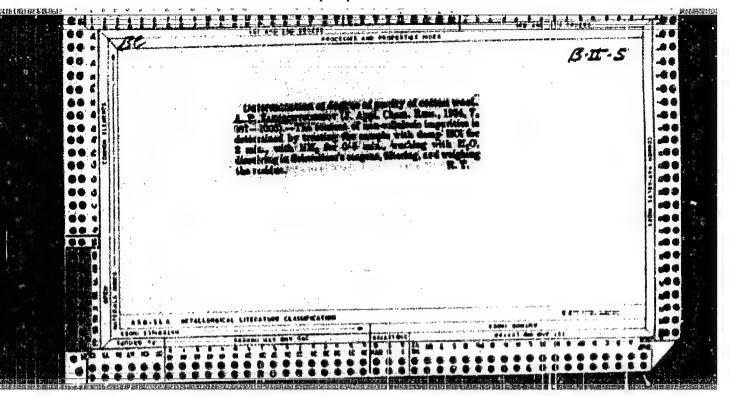


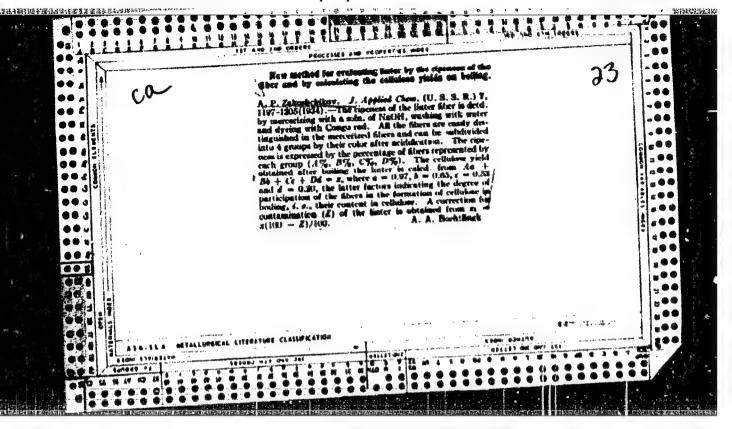


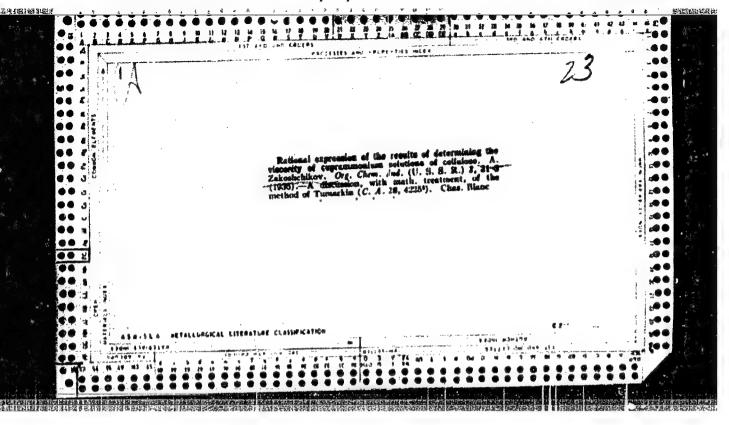


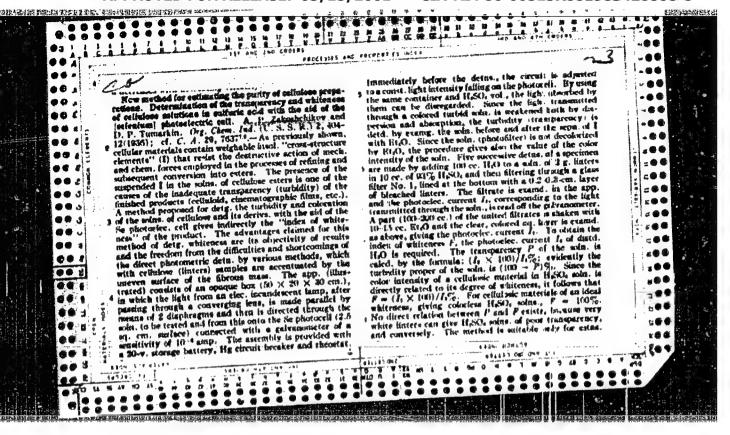






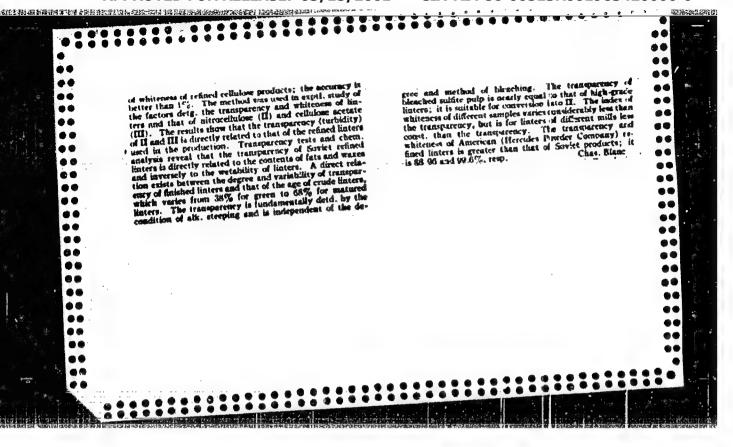


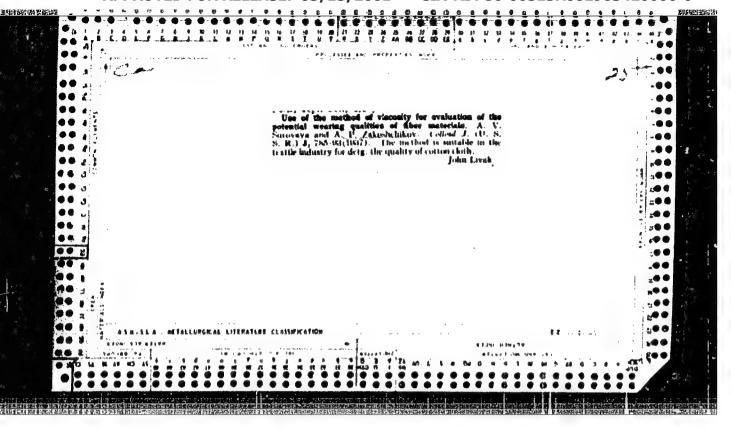


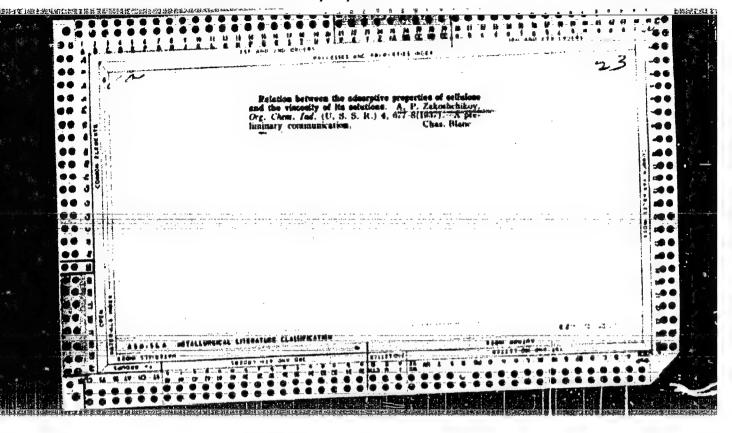


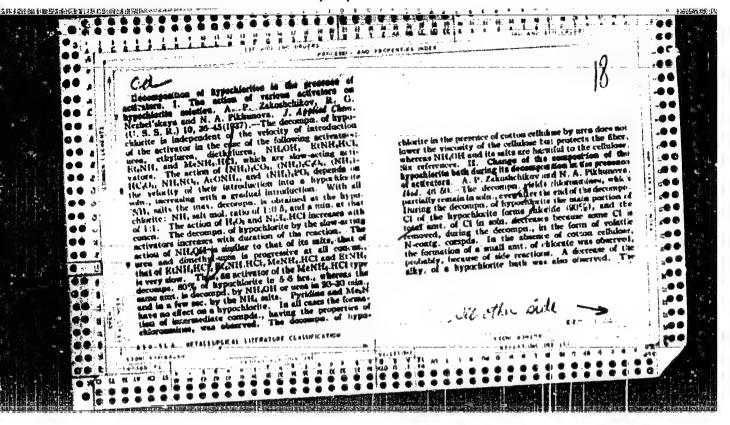
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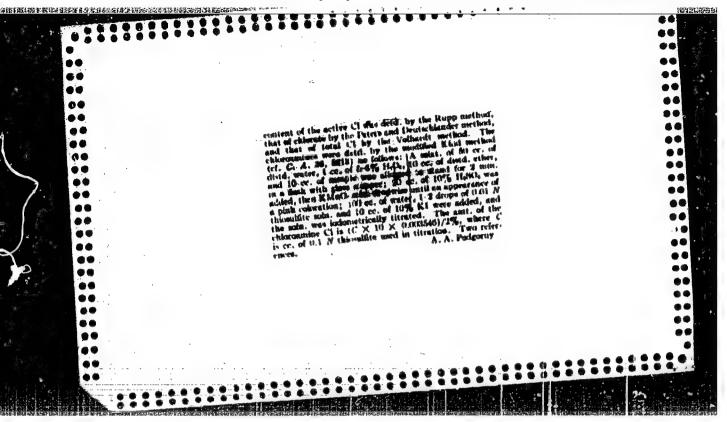
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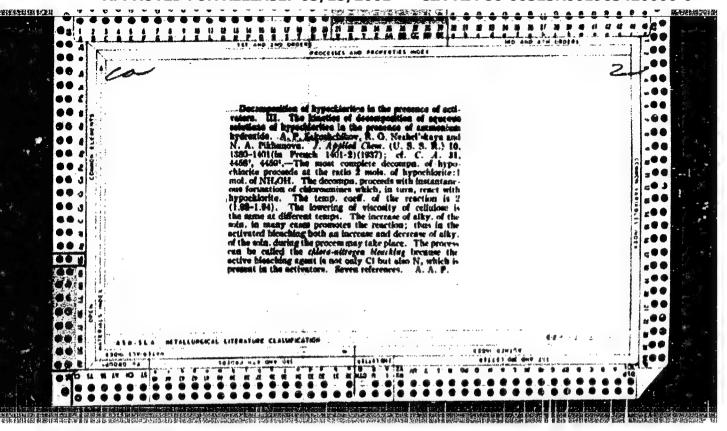


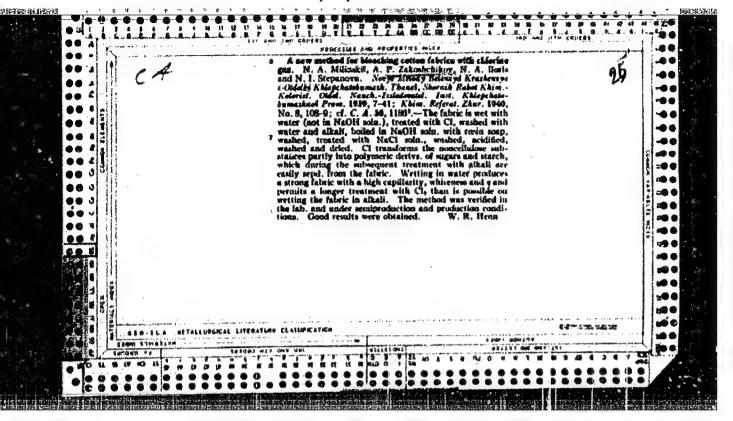


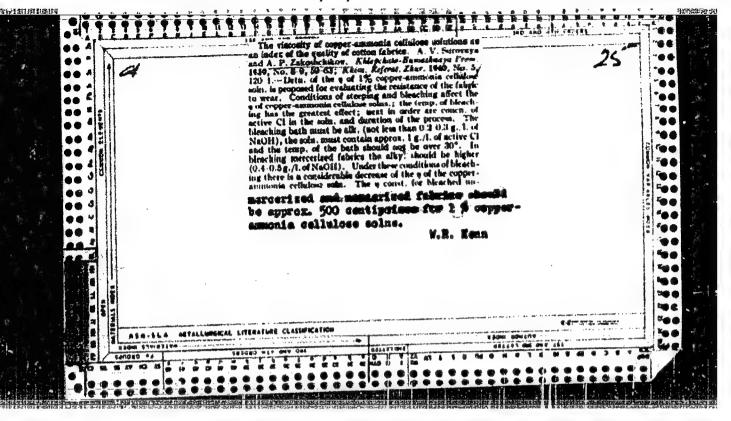


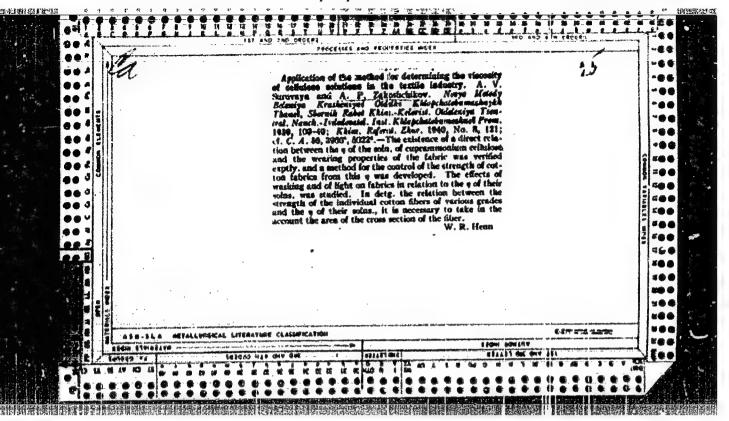


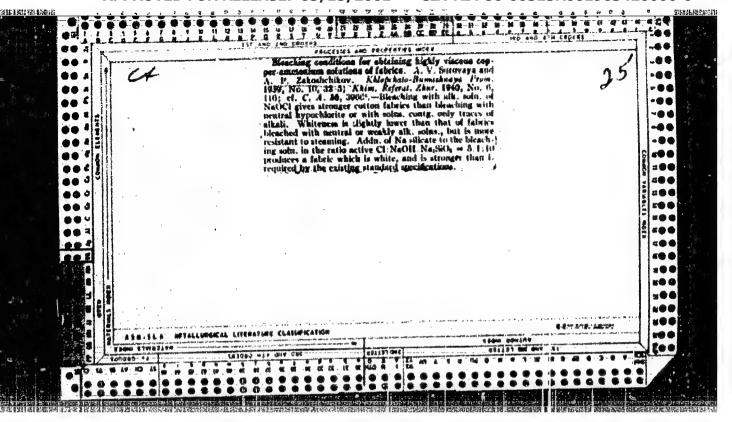


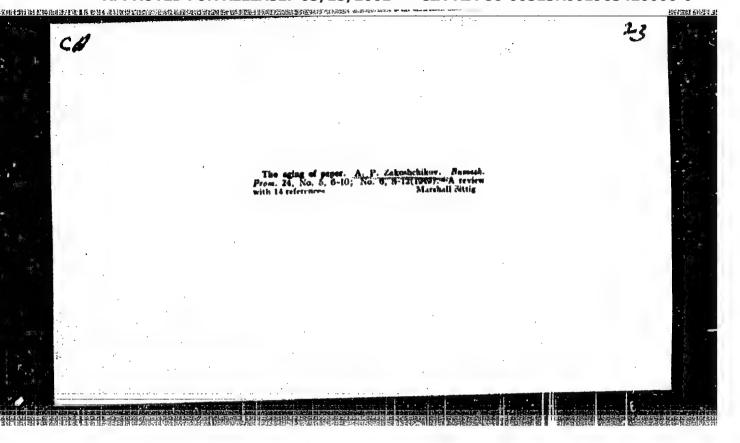












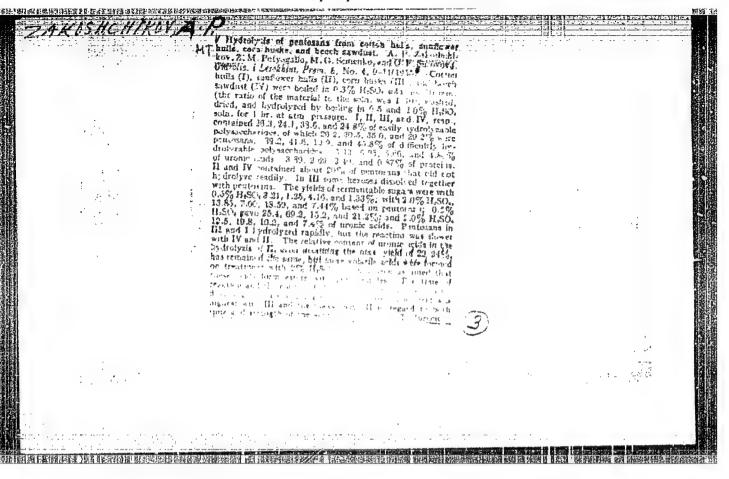
- 1. ALEKS.YOVA, T. B.; ASUKUNAZI, YE. S.; ZAHCSHCHIKCV, A. P.; KCICBIVA, G. V.; CIIBOVSHAYA, A. I.
- 2. UBSR (600)
- 4. Paper Industry
- 7. Effect of the degree of polymerization of pulp on its characteristics in the hollander process. Bum. prom. 27, No. 7, 1952

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

AGEYEV, L.H.; KOROL'KOV, S.I.; ZAKOSHGHIKOV, A.P., redaktor; VOL-KHOVER, R.S., tekhnicheskiy Yedaktor;

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[Chemical and technical control and accounting in hydrolyic and sulfite liquor production] Khimiko-tekhnicheskii kontrol' i uchet gidrolismogo i sul'fitno-spirtovogo proisvodetva. Monkva. Goslesbumizdat, 1953. 403 p. (HERA '7:8)



# ZAGOSKIN, B.I.; MACHINSKIY, A.P., kand. veter. nauk The connection between a technical school and agricultural production becomes stronger. Veterinariia 37 no.6:20-22 Je '60. (MIRA 1617) 1. Zamestitel' direktora po uchebncy chasti Ryasanskogo sootekhnichesko-veterinarnogo tekinikuma (for Zagoskin). (Veterinary medicine—Study and teaching)

ZAGOSKIN, B. I. and MACHINSKIY, A. P.

"The connection between a technical school and agricultural production is becoming stronger."

Veterinariya, Vol. 37, No. 6, 1388 1960, p. 20

Zagoslein - Deputy Director for Sci. Training

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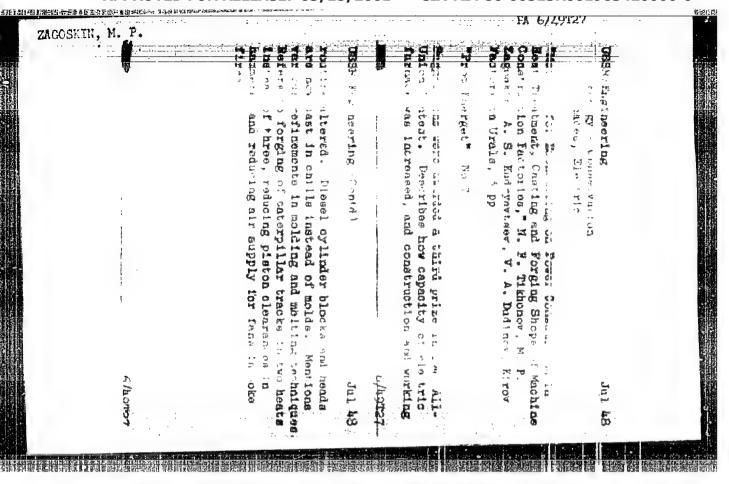
ZAGOSKIH Layrentiy Aleksandrevich, leytenant; CHERNEHO, M.B., redaktor; A.N., redakter; BLORIVIST, Yo.E., redaktor; VORUNTSOVA, A.N., redakter; OLEVEN, D.A., tekhnicheskiy redaktor.

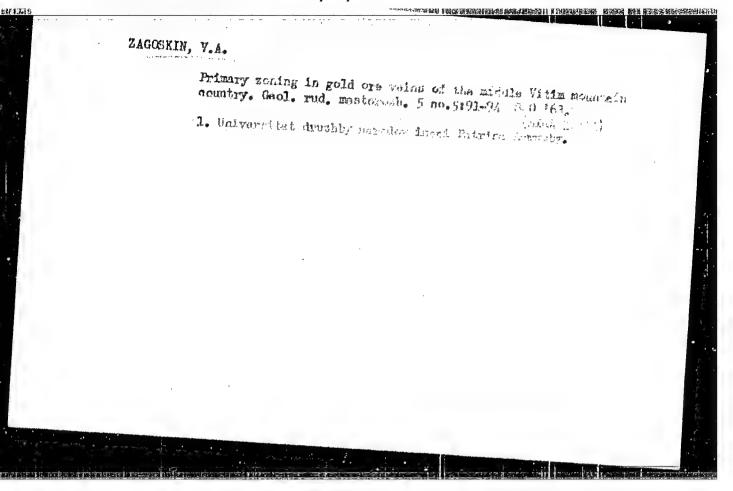
[Voyages and explorations of Lieutenant Lavrentii Zagoskin in Bussian America during the period of 1842-1844] Puteshestviia i Bussian America during the period of 1842-1844 Puteshestviia i seledovaniia Leitenanta Lavrentiia Zagoskina v russkey Amerika v 1842-1844 gg. Moskva, Gos.izd-vo geogr. lit-ry, 1956. 453 p. (HIRA 9:5)

(Zagoskin, Lavrentii Alekseevich, 1807-1890) (Nerth America—Discovery and explorations)

### "APPROVED FOR RELEASE: 03/15/2001

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### ZAGOSKIN, V.A.

3teges in the ore formation of gold ore manifestations in the central Vitim mountain country. Izv.vys.ucheb.zav.; geol.i razv. 6 no.3:71-80 Mr '63. (MIRA 16:5)

1. Universitet drumby narodov imeni Alumumby.
(Vitim Plateau—Gold ores)

- 1. ZAGOSKIN, Ye. I., Eng.
- 2. USSR (600)
- 4. Electric Transformers
- 7. Drying transformers with zero sequence current, Elek. sta., 23, No. 10, 1952.

9. Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.

ZAGOSKIN, Yu.B., inzh.; Sierman, V.L., inzh.

Screwdriver with flaxible shaft for M5-M8 screwe and mits. Stroi.
i dor. mash. 7 no.3:31-32 Hr '62.
(Screwdrivers)

KREYNDLIN, L.N., inzh.; ZAGOSKINA, G.V., red.; KOLOMEYER, V.Z., tekhn.red.

[Machine for sawing out hinge seats] Stanok dlie vyollivaniia gnezd pod petli. Moskva, TSentr.biuro tokhn.informatnii Glavstandartoma, 1959. 12 p. (MIRA 13:1)

1. Giprostandartdom (for Kreyndlin).
(Hinges) (Building-Tools and implements)

大学的现在分词,14日光过后,14日光过后,14日光过后,14日光过后,14日光过后,14日光过后,14日光过后,14日光过后,14日光过后,14日光过后,14日光过后,14日光过后,14日光过后,14日光过后,14日光过

SHELUDOHENKO, Ye.M., rei.; ZAGOSKINA, G.V., red.

[Production of particle board] Preizvedstvo drevesnostruzhechnykh plit. Moskva, 1964. 20 p. (MIRA 18:5)

1. Mercey. Teentral'nyy nauchnesiasledovatel'akiy institut informatsii i teknniko-ekenomicheskikh issledovaniy po lesney, tsellyulczno-bumazhney, derevoebrabatyvayushcheypromyshlennesti i lesnemu khezyaystvu.

OTLEV, I.A., kend. tekhn. nauk; ZAGOSKINA, G.V., red.

[Pressing particle board in multistory hydraulic presses]
Pressovanie struzhechnykh plit v mnogoetazhnykh gldravlicheskikh pressakh. Moskva, TSentr. nauchno-issl. in-t
informatoii i tekhniko-ekon. issledovanii po lesnoi, teeliuliano-bmauhnoi, derevoobrabatyvaiushchai promyshl. 1
lesnoma khoz., 1964. 26 p. (MIRA 18:5)

1. Bryanskiy tekhnologicheskiy institut (for Otlev).

TANSKIY, V.V., inzh.; ZAGOSKINA, G.V., red.; SHKNDAREVA, L.V., tekhn.red.

[Making particle board using the pneumatic fractionstion of shavings] Proizvodstvo drevesno-struzhechnykh plit s pnevmaticheskim fraktsionirovaniem struzhek. Moskva, TZentr.biuro tekhn.informatsii Glevstendartdoma, 1959.

15 p. (Wood, Compressed)

KREIPLIN, L.N.; DROZDOV, I.Ya.; ZAGOSKINA, G.V., nauchn.red.;

SHENLAREVA, L.V., tekhr.red.

[Using fiberboard in building] Frimenenie drovenovoloknietykh plit v stroitel stve. Moskva, Tentr. in-t
tekhn. informatsii i ekonom. isel. po lennoi, bunazhnoi i
derevoobrabatyvaiushchei promyshl., 1963. 67 p.

(Mida 16:10)

(Fiberboard)

EPSHTEYN, T.G.; ZAGOSKINA, G.V., red.

[Automatic lines for the veneering of panel-type parts and particle board] Avtomaticheskie linii dlia fanero-vaniia shchitovykh detalei i struzhechnykh plit. Moskva, TSentr. nauchno-iss. in-t informatsii i tekhniko-ekon. issl. po lesnoi, tselliulozno-bumazhnoi, derevo-obrabatyvaiushchei promyshl. i lesnomu khoziaistvu, 1963. 39 p. (MIRA 17:9)

1. Vnoncyuznyy nauchno-isaledovateliskiy i konstruktorskiy institut derevoobrabatyvayushchego mashinostroyeniya (for Epshteyn).

BAKHTEYAROV, V.D.; ZAGOSKINA, G.V., red.; SHENDAREVA, L.V., tekhn. red.

[Ways of increasing the yield of wood products and the efficient utilization of wastes] Puti povysheniia vykhoda produktsii iz drevesiny i ratsional nogo ispol zovaniia otkhodov. Moskva, TSentr. in-t tekhn. informatsii i ekon... issl. po lesnoi, bumazhnoi i derevoobrabatyvaiushchei promyshl., 1962. 71 p. (MIRA 16:6) (Wood-using industries) (Wood waste)

SAKHAROV, M.D.; ZAGOSKINA, G.V., red.

[Present-day elements of window blocks for housing construction] Sovremennye konstruktsii okonnykh blokov dlin zhilishchnogo stroitel'stva. Moskva, TSentr. nauchno-issl. in-t informatsii i tekhniko-ekon. issledo-vanii po lesnoi, tselliulozno-brazhnoi, derevoobrabaty-valushchei promyshl. i lesnomu khoz., 1963. 47 p. (MIRA 17:9)

斯主接中国主题中国主义外区设计的主张技术的对象技术的实验的政策和实验的政策和实验的政策。他这些智能是这个主题,但是对于这种国际的政策和政策的重要的基础的国际,但是这种政策的

 ZAGOSKINA, G.V., red.; SHLUDCHENKO, Ye.M., red.; POSPELOVA, G.L., red.

[Production of particle board; based on the materials of the seminars] Proizvodstvo drevesno-struzhechnykh plit; po materialam seminarov. Moskva, TSentr.nauchno-issl. ir.-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoebrabatyvaiushchei promyshl. i lesnomu khoz., 1964. 105 p. (MIRA 18:8)

1. Vsesoyuznyy seminar rabotnikov predpriyatiy drevesnostruzhechnykh plit, osnashchennykh otechestvennym oborudovaniyem. 1964.

KOZENKO, A.B.; ZONTOV, A.K.; KOPTSOV, V.S.; FROLOV, A.V., red.; ZAGOSKIRA, G.V., red.; SHENDAREVA, L.V., tekhn. red.

[Automated continuous production line for the manufacture of fiberboards] Avtomatizirovannaia potochnaia liniia dlis proizvodstva fibrolitovykh plit. Moskva, TSentr. in-t tekhn.
informatsii i ekon. issl. po lesnoi, bumazhmoi i derewoobrabatyvaiushchei promyshl., 1962. 68 p. (MIRA 16:4)
(Fiberboard) (Assembly-line methods)

ARGENTYEV, K.K., band. tokhn. nauk; MOROZOV, N.A., kand. tokhn. nauk; GHCHEDRO, D.A., inzh.; ZAGOSKINA, G.V., red.

[Pressing of furniture parts from ground wood] Fressovanie mebel'nykh detalei iz izmel'chennoi drevesiny. Moskva, TSentr. nauchno-isal. in-t informatsil i tekhniko-ekon. is-cledovanii po lesnoi, trelliulozno-bumashnoi, deravoobrabatyvaiushchei promyshl. i lesnomu khoz., 1964. 20 p. (MERA 17:31)

1. TSentral'nyy nauchno-issledovatel'skiy institut fanery i mebeli.

ERASOVSKIY, S.P., redaktor; ZAGOSKIMA. O.V., redaktor; SHENDAREVA, L.V., tekhnicheskiy redektor

[Manufacture of wood-shaving boards] Proisvodstvo dravesno-strushechnykh plit. Moskva, TSentral'noe biuro tekhn.informatsii, 1957. 42 p. (MIZA 10:8)

1. Bussia (1923- U.S.S.R.) Ministeretvo bumazhnoy i derevo-obrabatyvayushchey promyshlennosti (Paperboard)

KOBAL CHUK, L.M., kend. tekhn. nauk; BASKAKIN, Ye.N.; BELOZEPOVA, A.S.; ZAGOSKINA, G.V., nauchn. red.

[Mechanized dovetail gluing of wood] Mekhanizirovannoe skleivanie drevesiny na zubchatyi ship. Moskva, TSentranuchno-iasl. in-t informatsii i tekhniko-ekon. issledovanii nauchno-iasl. in-t informatsii i tekhniko-ekon. issledovanii po lesnoi, tselliulozno-bumazhnoi, derevoebrabatyvaiushrhei promyshl. i lesnomu khoziaistvu, 1963. 43 p. (MIRA 17:5)

## DADEYEV, V.; ZAGOSKINA, V.

In the struggle for high rank. Prof.-tekh.obr. 18 no.6:27-28
Jo 161. (NIRA 14:7)

1. Direktor Sretsial nogo professional no-tekhnicheskogo uchilishcha No.11 (g. Shuya, Ivanovskoy oblasti) (for Dadeyev). 2. Pomoshchnik direktora po kulturnovospitatel noy rabote Spetsial nogo professional no-tektnicheskogo uchilishcha No.11 (g. Shuya, Ivanovskoy oblasti) (for Zagoskina).

(Ivanovo Province—Textile workers)
(Ivanovo Province—Evening and continuation schools)

ZAGOSKINA, Ye.D.; SIKORSKIY, K.P.; VELICHKOVSKIY, Ye.I., red.; KREKSHINA, L., red. 1zd-va; YAKOVLEVA, Ye., tekhn. red.

[Special aspects of teaching mathematics in grades 5-7 sccording to the new program; methodological instructions for Moscow teachers] Osobennosti prepodavaniia matematiki v V-VII klassakh po novoi programms; metodicheskie ukazaniia dlia uchitelei g. Moskvy. Moskva, Mosk.rabochii, 1962. 84 p. (MIRA 15:7)

1. Moscow. Gorodskoy institut usovershenstvovaniya uchiteley.

(Mathematics—Study and teaching)

ZAGOSKINA, Ye.D.; SIKORSKIY, K.P.; ZEVINA, A.N., otv. red.; VORONHOV,

[Recommended mathematics curriculum for the second half of the 1962-1963 school-year (grade 5 to 11)] Primernyi plan raboty po matematike vo vtorom polugodii 1962-1963 uchebnogo goda (V-XI klassy). Moskva, 1963. 83 p. (MIRA 16:8)

1. Moscow. Gorodskoy institut usovershapstvovaniya uchiteley.
2. Direktor Moskovskogo gorodskogo instituta usovershamstvovaniya uchiteley (for Zevina).

(Mathematics--Study and teaching)

ZACOSKIPA, Ye.D.; SIKORSKIY, K.P. (Koskva)

Mothodical hints pertaining to the teaching of matheratics in the 5th and 6th graces. Mat. v shkole no. 6:45-53 F-D \*50. (KIKA 14:2)

(Inthomatics—Study and teaching)

ORISHANOV, A., insh.; ZAGOVALMO, H.

Excellent track maintenance on our division. Zhel, dor, transp.
36 no.6:65-69 Je '55. (MIRA 12:4)

1. Machal'nik Lanyshlovskoy distantsii puti (for Grishanov).
2. Kanyshlovskaya distantsiya puti (for Zagovalko).

(Sverdlovsk Province—Railroads—Track)

ZAGOVEL'YEV, A.

Toward new success! Prom,koop. 14 no.2:1-3 F '60.
(KIRA 13:5)

1. Predsedatel' pravlaniya Rospromsoveta.
(Cooperative societies)

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ZAGOVEL'YEV, A.			
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Our imports	ant tasks, Prom.koop. 13 no.1:1-3 Ja '59.		
		(MIRA 12:2)	
1. Predseds	atel' pravleniya Rospronsoveta.		
	(Cooperative societies)		
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S/076/63/037/035/004/020 B101/B215

AUTHORS: Yermakov, V. I., Sairnov, H. I., and Zagorets, H. A. (Moscow)

Study of solutions by high-frequency methods. Y. Dispersion directs in electrolyte solutions in a wide frequency range of the electromagnetic field

PERIODICAL: Zhurnal fizicheskoy khimii, v. 37, no. 3, 1963, 944-552

TEXT: A non-resonance circuit (Fig. 4) is suggested for measuring the relaxation effects in electrolytes. Measurements were corduint by unity

this equations  $v_3 = \frac{1}{2} \frac{k^2 \log 1}{\log 1}$  sol or  $\frac{1}{\log 1} = \frac{1}{2} \frac{k^2 \log 1}{\log 1}$ , where  $k = \frac{1}{2} \frac{k^2 \log 1}{\log 1}$  regardence

frequencies up to 200 Mc/sec yielded a stepwise course of the curve electroconductivity versus concentration for KCl. MgCl<sub>2</sub> and /lCl<sub>3</sub>. This is explained by steric hindrence effects on reformation of the hydrate complexes with a certain lifetime. Shortlived hydrates are found at Card 1/2

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frequencies above 10 cps, whereas below t Mc/sec, only the most stable hydrate shells are observed. There are 8 figures.

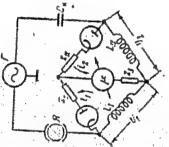
ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut im. D. I. Mendeleyova (Moscow Institute of Chamical Technology imeni

D. I. Mendeleyev)

SUEMITTED: November 5, 1961

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Fig. 4. Principle of a z-meter circuit with high-frequency compensation; legend: 9 = cell; f = generator.



Card 2/2

EWI(3)/BDS AFFTC/ASD

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AUTHOR:

Chukichev, M. V. and Zagorets, P.

TITLE:

Using silicon alpha-particle counters for measurements in solutions

PERIODICAL: Pribory i tekanika eksperimenta, March-April 1963, v. 8 no 2

The article describes the recently developed silicon elpha-particle detectors using a surface barrier and a p-n junction. These counters hav te used to determine the concentration of alpha active substances in solutions by measuring the intensity of alpha particles leaving the surface of suc: solutions. Test results are given and show that counter noise is 5 imp/m: and that the instrument is capable of measuring a concentration of the orde: of  $C_{U233}$  = = 1.5·10-6 g/cm3. There are two figures

ASSOCIATION: Moskovskiy khimiko-tekhnologicheskiy institut (Meseow Cremical

Technology Institute)

SUBMITTED:

May 28, 1962

Card 1/1

CHURICHEV, M. V., ZAGORETS, P.A.

Use-of-silicon alpha-counters for measurements in solutions. Prib. i tekh. eksp. 8 no.2:172-173 Mr-ap '63. (Miki 16:4)

1. Moskovskiy khimiko-tekhnologicheskiy institut. (Nuclear counters)

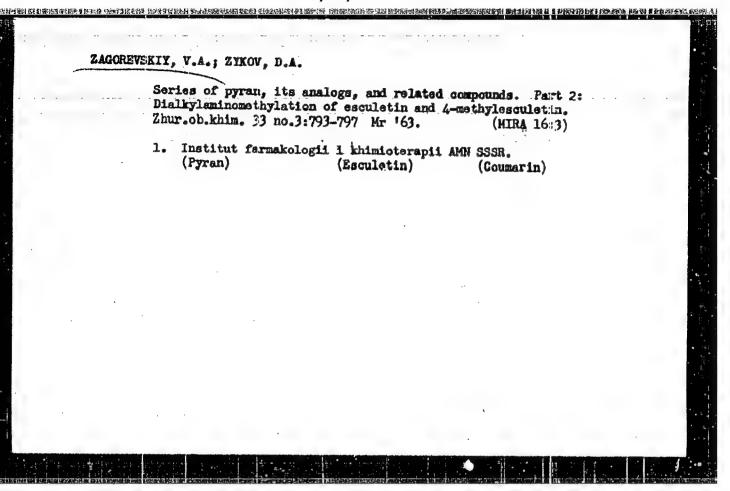
The second of th AUTHOR: Zagorets, P. A.; Yermakov, V. I.; Graman, A. P. the state of the fremency and nuclear magnetic reand the second s 5000461 15 4024 echo apparatus SOURCE: Zhurnal fizichesko/ khimii, v. 37, no. 6, 1963, 1413-1415 TOPIC TAGS: high-frequency method, nuclear magnetic resonance method, spin echo apperatus, spin-lattice relexation time, FeCl sub 3 - NH sub 4 P ABSTRACT: A method has been proposed for the relative determination of the spin-lattice relaxation time (T sub 1) by means of spin echo technique. The possibility of sales this made to send an accompanyation in solutions has been illustrated on the example of complex formation in the system FeCl sub 3 5 HH sub 4 F. Orig. ert. has: 2 figures. ASSOCIATION: Khimiko-tekhnologicheskiy insititut im. D. I. Mendeleyeva Chemical Programming Institute)
SUBMITTED: 00 DATE ACQ: 16 Jul 63 BUCL 00 NO REF SOV: 005 SUB CODE: 00 Takk yangwartwar -Card 1/1 

ZAGOREVSKIY, V.; DUDYKINA, N. V.; Prinimala uchastiye MINLIKEYEVA, G. I.

Ring expansion in the reduction of cximes, Zhur. ob. khim. 33 no.1:322-323 463. (MIRA 16:1)

1. Institut farmakologii i khimioterapii AMN SSSR.

(Oximes) (Reduction, Chemical)



LEBEDEVA, L.N., assistent; ZAGOVORA, A.V., kand.biolog.nauk; RYAZANTSEVA, N.N.; POGOREL'SKIY, L.G.; GOLUBINTSEVA, A.P., kand.sel'skokhoz.nauk (Novonibirsk); GADZHIYEV. G.E.

Brief reports. Zashch. rast. ot vred. i bol. 6 no.7:56-57 J1 (MIRA 16:5)

1. Kafedra plodovodstva i zashchity rasteniy Novosibirskogo sel'skokhozyaystvennogo instituta (for Lebedeva). 2. Ukrainskiy institut rasteniyevodstva, selektsii i genstiki, Khar'kov (for Zagovora, Ryazantseva).
3. Nachal'nik karantinnoy inspektsii Dagestanskoy ASSR (for Pogorel'skiy). 4. Zaveduyushchiy mezhrayonnoy biolaboratoriyey, Kubinskiy
rayon (for Gadzhiyev).

(Plants, Protection of)

#### ZAGOVOFIA, A.V.

Some characteristics of the reproduction of the Hissian fly in the Ukraine. Vop. ekol. 7:61-62 '62. (MIRA 16:5)

1. Ukrainskiy nauchno-issledovatel'skiy institut rasteniyevodstva, selektsii i genetiki, Khar'kov.

(Ukraine---Hessian flies)

with the control, with unplowed tillage on 35 - 40 cm -- 82.75, with plowed tillage with pre-plowing on 24 - 25 cm -- 19.5%. Deep

思注人名的利利 利用工程计算工程 事情 17 报史的实施 的第三次 学习的 华代县 医动脉冲孔线 网络美国大脑 斯斯斯 计多数分配 电线上 机多数定程 法债务 医经疗症 网络克里克姆克里西亚亚州 电影 , user COUNTRY CATEGORY : GENERAL & SPEC . KOOLOGY . INSECTS Insect and Mite Posts. ABS. JOUR: Per Zhur - Biologiye, Po.4 , 1959, No. 16289 :Ukrainian Soi.Res.Inst. of Plant Cultivation,\*
: number of nessian Flies with wifferent mathods, : Zagovora, A.V. AUTHOR INST. TITLE of Soil Greatment. onid. Pun .: Byul. Ukr. n.-i. in-te rastoniyevodatva, selekta. 1 genet., 1958, No.2, 127-128 ABSURACT : Experiments were set up in 1955 in whost kovckaya Oblast on a field under winter wheat which had suffered radically from Hessian flies: 05.45 or the plants were damaged and there averaged 450 pseudo-cocoons on 1 m. the percentage of flies which flew out with soil disking on 3 - 9 cm was 89.9 as compared

> \*Selection, and Genetics 1/2

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CHTEGORY . CENERAL SPEE ZOOLOGY INSECTS

ABS. JOUR: Theset and Mita Pests No. 4, 1959, No. 16284

AUTHOR

: Zagorova, A.V.

INST.

TITLE

:Ukrainian Soi. Res. Inst. of Plant Cultivation,

Corn Borer.

orig. Pub.: Byul. Ukr. n.-i. in-ta resteniyevodstva.

selekts., 1 genet., 1958, No.2, 129-131

ABSTRACT : According to a 3-year follow-up on corn stalks . 20, 30, and 90 on high the percentage of caterpillans found in Bogodukhovsky Layon was correspondingly 37.4, 43.9, and 67.1, and in Amar'kovsky Rayon it was 24.4, 34.5, and 56.2. After reaping of the corn combine for the grain on an average for 2 years there remained a stubble 20, 21 - 50, and 31 0 50 cm high and respectively 14, 56, and 655. For increased effectiveness in the struggle with the over

CARD:

1/2

\*Selection and Genetics

CATUGORY : GENERAL&SPEC.ZOOLOGY, INSECTS

ABS. JOUR.: Ref Zhar -Biologiya, No. 4, 1959, No. 18804

Author : INUT. : TITLE :

ORIG. PUB.:

ABSTRACT :a series of projects is necessary to eliminate it, and the remnants of help, millet, and corn stalks must be ploudd in. -- A.P. Adrienor

CARD: 2/2

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USSR / General and Special Zoology. Insects.

P

Abs Jour: Ref Zhur-Biol., No 4, 1958, 16420

Author : Zagovora A.V. : Not given

Inst Title

: Injurious Eurygaster on Maize.

(Vrednaya cherepashka na kukuruze).

Orig Pub: Zashchita rast.ot vredit. i boleznei, 1957, No 3,

Abstract: No abstract.

Card 1/1

SOV/143-58-11-3/16

9(3) AUTHORS:

O

Zagovorskiy, Ye.N., Engineer, and Rumyantsev, Yu.G.,

The Determination of Losses in Enclosed Buses and Their Engineer

Izvestiya vysshikh uchebnykh zavedeniy, Energetika, Thermal Calculation TITLE:

1958, Nr 11, pp 21-30 (USSR) PERIODICAL:

Power generators terminal buses have a design which ABSTRACT:

is different from the open buses presently used. Terminal buses of high-capacity generators must meet the following requirements: a) extraordinary high reliabi-lity; b) reduction of losses in surrounding steel constructions; c) limiting electrodynamic forces on buses; d) high economic indexes. The simultaneous satisfaction of all these requirements is made difficult, since the known bus designs contradict economic requirements. At electric power plants where the generators are directly connected to the transformers

without intermediate circuit breakers, buses are used having an envelope made of a material different from

Card 1/5

SOV/143-58-11-3/16

The Determination of Losses in Enclosed Buses and Their Thermal Calculation

The author explains the posthat used for the buses. sible versions in the design of such buses. There are buses with aluminum envelopes, with non-magnetic steel envelopes and buses with envelopes made of a non-conductive material (asbestos tubes, etc). Several cooling systems may be used for enclosed terminal buses: 1) Enclosed buses where the heat exchange is achieved by natural convection and radiation, are the most reliable, but they require increased spending for non-forrous metals. 2) Enclosed buses with forced aircooling require special protective measures for speading of arcs in case of short circuits and reserve ventilation equipment. Since the air is circulating between the bus and the envelope a dirt precipitation will occur in open cycle cooling systems, while closed cycle systems require an additional air cooler. 3) Liquid cooled bus terminals, using circulating oil or another dielectric cooling agent. The envelope may be reduced in this case, by approximately 30%, resulting

Card 2/5